

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings in the application:

Listing of Claims:

1-7 (canceled).

8. (Previously Presented) A stator of an electric machine comprising:
an autonomous cooling circuit,
means for sealing the cooling circuit with respect to a rotor of the electric machine,
a magnetic circuit comprising slots, and
a winding arranged in the slots, wherein the stator comprises a two-part magnetic circuit
whose parts are separated by a fluidtight shell.

9. (Previously Presented) The stator as claimed in claim 8, wherein the shell is of
tubular shape and is centered around an axis of revolution of the electric machine.

10. (Previously Presented) The stator as claimed in claim 8, wherein the magnetic
circuit comprises a first stack of laminations produced outside the shell and a second stack of
laminations produced inside the shell.

11. (Previously Presented) The stator as claimed in claim 10, wherein the first and the
second stacks of laminations comprise slots and in that the slots of the second stack of
laminations are arranged in the continuation of the slots of the first stack of laminations.

12. (Previously Presented) The stator as claimed in claim 11, wherein the winding is
completely situated in the slots of the first stack of laminations.

13. (Previously Presented) The stator as claimed in claim 11, wherein the second stack of laminations comprises bridges which close the slots of the second stack of laminations, the bridges being situated in the immediate vicinity of a gap of the electric machine.

14. (Previously Presented) The stator as claimed in claim 8, wherein the shell is formed by a coating of one of the stacks of laminations.

15. (Previously Presented) The stator as claimed in claim 9, wherein the magnetic circuit comprises a first stack of laminations produced outside the shell and a second stack of laminations produced inside the shell.

16. (Previously Presented) The stator as claimed in claim 12, wherein the second stack of laminations comprises bridges which close the slots of the second stack of laminations, the bridges being situated in the immediate vicinity of a gap of the electric machine.

17. (New) A stator of an electric machine comprising:
a cooling circuit,
fluidtight shell which is disposed inboard of the cooling circuit,
a sealing arrangement which seals the cooling circuit with respect to a rotor of the electric machine,
a magnetic circuit comprising slots, a first stack of laminations disposed outside the shell and a second stack of laminations disposed inside the shell, and
a winding arranged in the slots, wherein the stator comprises a two-part magnetic circuit whose parts are separated by the fluidtight shell.